

CLAIMS

1. An acetabular implant cup insert for a joint prosthesis, the insert being of the type comprising a metal shell (1) and a polymer lining (14) lining the inside space (4) of said shell (1), a receptacle (18) for a prosthetic head being formed in the lining (14), said shell presenting on its inside space (4) means for preventing said lining (14) being extracted from the shell (1) and means for preventing the lining (14) turning in the shell (1), the insert being characterized in that said means for preventing the lining being extracted comprise a stud (11) disposed on the end wall (10) of the shell (1) and presenting at least one groove (12) or lip.
2. An insert according to claim 1, characterized in that said means for preventing extraction of said lining (14) include at least one lip (7).
3. An insert according to claim 1 or claim 2, characterized in that said means for preventing said lining (14) being extracted include at least one groove.
4. An insert according to any one of claims 1 to 3, characterized in that said means for preventing the lining (14) from turning comprise projections (9) formed on the surface of the wall defining the inside space (4) of the shell (1).
5. An insert according to claim 4, characterized in that said projections (9) are ribs extending over all or a fraction of the height of the inside space (4) of the shell (1).
6. An insert according to any one of claims 1 to 5, characterized in that said means for preventing the lining (14) from turning comprise depressions (8) formed

in the surface of the wall defining the inside space (4) of the shell (1).

5 7. An insert according to claims 2 and 4 taken together, characterized in that projections (9) are formed on the lip (7).

10 8. An insert according to claims 2 and 6 taken together, characterized in that depressions (8) are formed in the lip (7).

15 9. An insert according to any one of claims 1 to 8, characterized in that the anterior portion of said shell (1) presents a conical shape.

10. An insert according to any one of claims 1 to 9, characterized in that the wall of the receptacle (18) is covered in ceramic.

20 11. An insert according to any one of claims 1 to 10, characterized in that said lining (14) is obtained by an operation of thermocompressing said polymer in said inside space (4) of the shell (1), followed by a machining operation.

25 12. An insert according to any one of claims 1 to 10, characterized in that said lining (14) is obtained by prior shaping, and in that it is put into place by being impacted into the shell (1).

30 13. An acetabular implant of the type comprising a cup for being fastened in the pelvis or a shoulder blade of a patient, and an insert lining the inside of said cup in order to receive a prosthetic head, the implant being
35 characterized in that the insert is of the type according to any one of claims 1 to 12.

14. A joint prosthesis of the type comprising an acetabular implant and a prosthetic head, the prosthesis being characterized in that said implant is of the type according to claim 13.